5975 Lambie Road Suisun City, CA 94585

May 30, 2017

Director of Compliance and Enforcement Bay Area Air Quality Management District 375 Beale Street, Suite 600 San Francisco, CA 94105 Attn: Title V

Subject: Gilroy Energy Center, LLC for the Lambie Energy Center

Title V Semi-Annual Monitoring Report

Facility # B4415

Reporting Period: November 1, 2016 - April 30, 2017

To Whom It May Concern:

Enclosed is the Title V CEMS Semi-Annual Monitoring Report for the Lambie Energy Center ("LEC") for the reporting period from November 1, 2016 – April 30, 2017.

LEC is currently in compliance with the District CEMS regulations. LEC maintained compliance with the monitoring requirements listed in the Title V permit for LEC during this reporting period.

By signing this report I am certifying that based on information and belief formed after reasonable inquiry, the statements and information in the attached report are true, accurate, and complete.

If you have any questions or require additional information, please contact me at (707) 399-4393.

Sincerely,

Andrew Gundershaug

Plant Manager and Designated Representative/Responsible Official

Table VII – A Applicable Limits and Compliance Monitoring Requirements S-1 – COMBUSTION GAS TURBINE November 1, 2016 through April 30, 2017

Type of	Citation of	FE	Future Effective	# 2 - 5 <u>4</u>	Monitoring	Monitoring	Monitoring Type	Comp	liance
Limit	Limit	Y/N	Date	Limit	Requirement Citation	Frequency (P/C/N)	Monitoring Type	Yes	No
NOx	BAAQMD	N		9 ppmv @ 15% O2,	BAAQMD 9-9-	С	СЕМ	Х	
	9-9-301.1.3]	dry	501 and				
					BAAQMD				
					condition #20134,				
					part 23c				
NOx	BAAQMD	N	1	9 ppmv @ 15% O2,	BAAQMD	P/A	Source Test	X	\
	9-9-301.1.3	Į.		dry	condition #20134,				ŀ
					part 24a				
NOx	SIP	Y		9ppmv @ 15% O2,	SIP Regulation 9-	С	СЕМ	X	
	Regulation		ļ	đry	9-501 and				
	9-9-301.3				BAAQMD	i			
			1		condition #20134,				
					part 23c				<u></u>
NOx	SIP	Y	ŀ	9ppmv @ 15% O2,	BAAQMD	P/A	Source Test	X	
	Regulation		ļ.	dry	condition #20134,				
	9-9-301.3		·		part 24a				
NOx	NSPS, 40	Y		99ppmv @ 15%	NSPS 40CFR	С	CEM	X	
	CFR		ı ı	O2, dry	60.334(b)		•		
	60.332(a)(1)		<u>'</u>	·					
NOx	None	Y		None	40 CFR 75.10	C	СЕМ	X	
NOx	BAAQMD	Y	ļ.,	2.5 ppm @15% O2,	BAAQMD	С	CEM	Х	
	condition		[]	dry 3-hr rolling	condition #20134,				
	#20134, part		1	average except	part 18.1				
	18.1		[:	during turbine					
			<u>;</u>	startup or shutdown					
NOX	BAAQMD	Y	['	2.5 ppm @15% O2,	BAAQMD	P/A	Source Test	X	1
	condition		į ·	dry, 3-hr average	condition #20134,				
	#20134, part		,	except during	part 24a				
	18.1			turbine startup or			·		
			1	shutdown					
NOx	BAAQMD	Y		121 lb/ day (as	BAAQMD	С	СЕМ	Х	
	condition			NO2)	condition #20134,				
	#20134, part				part 23c				
	21		<u> </u>						!

Type of	Citation of	FE	Future		Monitoring	Monitoring	Monitoring Type	Comp	liance
Limit	Limit	Y/N	Effective Date	Limit	Requirement Citation	Frequency (P/C/N)	With the state of	Yes	No
NOx	BAAQMD condition #20134, part 21	Y		16.4 tons per year (as NO2)	BAAQMD condition #20134, part 23c	C ·	СЕМ	х	
со	BAAQMD condition #20134, part 18.3	Y		6 ppmv, @ 15% O2, dry, 3-hr average except during turbine startup or shutdown	BAAQMD condition #20134, parts 18.3 and 23c	С	СЕМ	Х	
СО	BAAQMD condition #20134, part 18.3	Y		6 ppmv, @ 15% O2, dry, 3-hr average except during turbine startup or shutdown	BAAQMD condition #20134, part 24c	P/A	Source Test	X	
СО	BAAQMD condition #20134, part 21	Y		163 lb/ day	BAAQMD condition #20134, part 23c	С	CEM	Х	
со	BAAQMD condition #20134, part 21	Y		29.1 tons per year	BAAQMD condition #20134, part 23c	С	СЕМ	х	
CO2		, Y		None	40 CFR 75.10	C.	CEM (CO2) or CEM (O2) or fuel flow monitor	X	
SO2	BAAQMD 9-1-301	Y		GLC ¹ of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N		Х	
SO2	BAAQMD 9-1-302	Y		300 ppm (dry)	BAAQMD condition #20134, part 23f	P/A	Source Test	Х	
SO2	9-1-302	Y		300 ppm (dry)	BAAQMD condition#20134, part 23e	P/Q	Total Sulfur analysis	Х	

Type of	Citation of	FE!	Future		Monitoring	Monitoring		Comp	liance
Limit	Limit	Y/N	Effective Date	Limit	Requirement Citation	Frequency (P/C/N)	Monitoring Type	Yes	No
SO2	NSPS 40 CFR 60.333(a)	Y :		0.015% (vol) @ 15% O ₂ (dry)	NSPS 40 CFR 75.11(d)(2), 40 CFR 75, Appendix D, part 2.3 NSPS 40 CFR		Fuel Measurements, calculations	х	
SO2	None	Y		None	60.334(h)(3) 40 CFR 75.11(d)(2), 40 CFR 75, Appendix D, part 2.3		Fuel measurements, calculations	Х	
SO2	BAAQMD condition #20134, part 18.6	Y		1.39 lb/hr excluding startup and shutdown of turbines	BAAQMD condition #20134, part 23e	P/Q	Total sulfur content analysis	х	
SO2	BAAQMD condition #20134, part 18.6	Y		1.39 lb/hr excluding startup and shutdown of the turbines	BAAQMD condition #20134, part 24f	P/A	Source test	х	
SO2	BAAQMD condition #20134, part 21	Y	1	33 lb/ day	BAAQMD condition #20134, part 24f	P/A	Source test	Х	
SO2	BAAQMD condition #20134, part	Y		6.0 tons/year	BAAQMD condition #20134, part 24f	P/A	Source test	Х	
Opacity	BAAQMD 6-1-301	Ŋ		>= Ringelmann No.1 for no more than 3 minutes in any hour		N		х	-
Opacity	BAAQMD 6-301	Y		>= Ringelmann No.1 for no more than 3 minutes in any hour		N		Х	
Opacity	BAAQMD condition #20134, part 17	Y		> = Ringelmann No.1 for no more than 3 minutes in any hour or equivalent 20% opacity		N		х	

Type of	Citation of	FE	Future		Monitoring	Monitoring		Comp	liance
Limit	Limit	Y/N	Effective Date	Limit	Requirement Citation	Frequency (P/C/N)	Monitoring Type	Yes	No
Filterable	BAAQMD	N		0.15 grains/dscf		N		Х	
Particulate	6-1-310	- V		0.16	_	NI		v	
Filterable	SIP 6-310	Y		0.15 grains/dscf		N		Х	
Particulate	D 4 4 6 4 4 5	Y		3 lb/hr for S-1	DA A ONED	P/A	Source Test .	Х	
PM10	BAAQMD condition	Y		3 lb/nr for S-1	BAAQMD condition #20134,	P/A	Source lest .	^	
	#20134, part				part 24e	•			
	#20134, part				part 246				
PM10	BAAQMD	Y		72 lb/day	BAAQMD	P/A	Source Test	X	<u> </u>
INITO	condition	'		72 10/day	condition #20134,	1774	Source rest	^	
	#20134, part			ļ	parts 24e				.
	#20134, part				parts 24c				
PM10	BAAQMD	Y		13.1 tons/year	BAAQMD	P/A	Source Test	X	
FWHO	condition	1		13.1 tons/year	condition #20134,	1/A	Source rest	^	
					part 24e				
	#20134, part 21				part 24e				
POC	BAAQMD	Y		2 ppmv @ 15% O2,	BAAQMD	P/A	Source Test	х	
FOC	condition	1	,	dry, except during	condition #20134,	r/A	Source Test	^	
	#20134, part			turbine startup or	part 24d				
	#20134, part		ļ	shutdown	part 24d				
POC	BAAQMD	Y		30.0 lb/calendar day	BAAQMD	P/A	Source Test	x	
100	condition	1		50.0 lb/calelidal day	condition #20134,	178	Source rest	^	
	#20134, part			·	part 24d		ļ		
	#20134, part	ļ	\		part 24d				ļ
POC	BAAQMD	Y		4.9 ton/year	BAAQMD	P/A	Source Test	X	
100	condition	1		4.9 lon/year	condition #20134,	178	Source rest	^	
	#20134, part				part 24d				
	#20134, part				part 24d				1
NH3	BAAQMD	N	<u> </u>	10ppmv @15% O2,	BAAQMD	С	District approved	X	
	condition	``		dry, except during	condition #20134,		correct ammonia	^	
	#20134, part			turbine startup or	parts 18.2 and 23b		slip calculation and correction		
	18.2	ļ		shutdown	parts 10.2 and 250		factor determined		İ
2000		 , ,			DAACUE	D/4	by source test	\	
NH3	BAAQMD	N		10ppmv @15% O2,	{ {	P/A	Source Test	X	
	condition	\	1	dry, except during	condition #20134,	, ·			
	#20134, part			turbine startup or	part 24b				
	18.2	 		shutdown	DA LOLO			.,	-
Heat input	BAAQMD	Y		500 MMBTU/hr	BAAQMD	С	Fuel meter,	Х	
limit	condition			(HHV), 3-hr	condition #20134,				
	#20134, part			average	part 23d				
	22		<u> </u>	<u>L.</u>	l	<u> </u>		<u> </u>	

Type of	Citation of	FE'	Future	7	Monitoring	Monitoring		Comp	liance
Limit	Limit	Y/N	Effective Date	Limit	Requirement Citation	Frequency (P/C/N)	Monitoring Type	Yes	No
Heat input límit	BAAQMD condition #20134, part 22	Y .		500 MMBTU/hr (HHV), 3-hr average	BAAQMD condition #20134, part 23d	P/Q	Fuel composition analysis	х	
Heat input limit	BAAQMD condition #20134, part	Y ;		500 MMBTU/hr (HHV), 3-hr average	BAAQMD condition #20134, part 24g	P/A	Source test	х	
Heat input limit	BAAQMD condition #20134, part 22	Y		12,000 MMBTU/day (HHV)	BAAQMD condition #20134, part 23d	С	Fuel meter, calculations	х	
Heat input limit	BAAQMD condition #20134, part 22	Y		12,000 MMBTU/day (HHV)	BAAQMD condition #20134, part 31g	P/Q	Fuel composition analysis	х	
Heat input limit	BAAQMD condition #20134, part	Y		4,380,000 MMBTU/yr (HHV)	BAAQMD condition #20134, part 23d	С	Fuel meter, calculations	х	
Heat input limit	BAAQMD condition #20134, part 22	Y		4,380,000 MMBTU/yr (HHV)	BAAQMD condition #20134, part 31g	P/Q	Fuel composition analysis	х	
MW	N/A			None	BAAQMD condition #20134, part 24h	P/A	Source test	Х	
Exhaust Gas temperatur e	N/A		ı	None	BAAQMD condition #20134, part 24j	P/A	Source test	х	
Stack gas flow	N/A			None	BAAQMD condition #20134, part 24i	P/A	Source test	Х	
NH3 injection rate	N/A			None	BAAQMD condition #20134, part 24k	P/A	Source test	х	

Table VII - B Applicable Limits and Compliance Monitoring Requirements $S\text{--}2-Diesel\ Firewater\ Pump}$

Type of	Citation of	FE	Future	T	Monitoring	Monitoring	Monitoring	Comp	oliance
Limit	Limit	Y/N	Effective Date	Limit	Requirement Citation	Frequency (P/C/N)	Туре	Yes	No
SO2	BAAQMD	Y		GLC ¹ of 0.5	None	P/E	Fuel	Х	
	9-1-301		l	ppm for 3		<u>,</u>	certification		
ļ i	BAAQMD			min or 0.25		·	by vendor		
				ppm for 60					
				min or 0.05			ļ		
				ppm for 24		,			
				hours		<u> </u>			
	BAAQMD	Y		Sulfur	None	P/E	Fuel	X	
	9-1-304			content of			certification		
				fuel <0.5%			by vendor		
	<u> </u>			by weight					
Opacity	BAAQMD	N		>=Ringelma		· N	·	x	
	Regulation			nn 2 for no					
	6-1-303		}	more than 3				1	
				min/hr					
Opacity	SIP	Y		>=Ringelma		N		X	
	Regulation		•	nn 2 for no	·				
	6-303			more than 3					•
				min/hr					
FP	BAAQMD	N	,	0.15		N		X	
	Regulation			grain/dscf					
	6-1-310								
FP	SIP	Y		0.15		N		X	
	Regulation			grain/dscf					
	6-310								
Hours of	BAAQMD	N		Emergency	BAAQMD 9-8-530	С	Hour meter,	х	
operation	9-8-330.1			use for an	BAAQMD Condition	P/E	recordkeeping		
	BAAQMD			unlimited	#22851 Part 3 and 4				
	Condition			number of					
	#22851		[hours					
•	Part 2								

Type of	Citation of	FIE	Future	Limit	Monitoring	Monitoring;	Monitoring	Comp	liance
Limit	Limit	Y/N	Effective Date	Limit	Requirement Citation	Frequency (P/C/N)	Туре	Yes	No
Hours of operation	BAAQMD 9-8-330.2	N		Reliability- related activities not to exceed 100 hours in any consecutive 12-month period	BAAQMD Regulation 9-8-530	C P/E	Hour meter, recordkeeping	x	
Hours of operation	BAAQMD 9-8-330.3	N	1/1/2012	<50 hours per calendar year for reliability testing	BAAQMD Regulation 9-8-530	C P/E	Hour meter, recordkeeping	х	
Hours of operation	BAAQMD Condition 22851, Part 1	Y		<=34 hours per calendar year for reliability testing	BAAQMD Regulation 22851, Part 3 and 4	С	Hour meter, recordkeeping	х	

Table VII - C Applicable Limits and Compliance Monitoring Requirements $S\text{-}3-COOLING\ TOWER$

Type of Limit	Citation of Limit	FE Y/N		Limit	Limit Monitoring Requirement Citation	Monitoring Frequency	Monitoring Type	Compliance	
	:					(P/C/N)		Yes	No
Opacity	BAAQMD	N		>=Ringelmann		N		Х	
	Regulation			1 for no more					
	6-1-301	_		than 3 min/hr					
Opacity	SIP	Y		>=Ringelmann	-	N		X	
	Regulation			1 for no more					
	6-301			than 3 min/hr					
Particulate	BAAQMD	N		0.15 grains per		N		X	
Weight	Regulation	,		dscf					
	6-1-310						<u>'</u>		
Particulate	SIP	Y		0.15 grains per		N		Х	
Weight	Regulation			dscf		1			
	6-310]			